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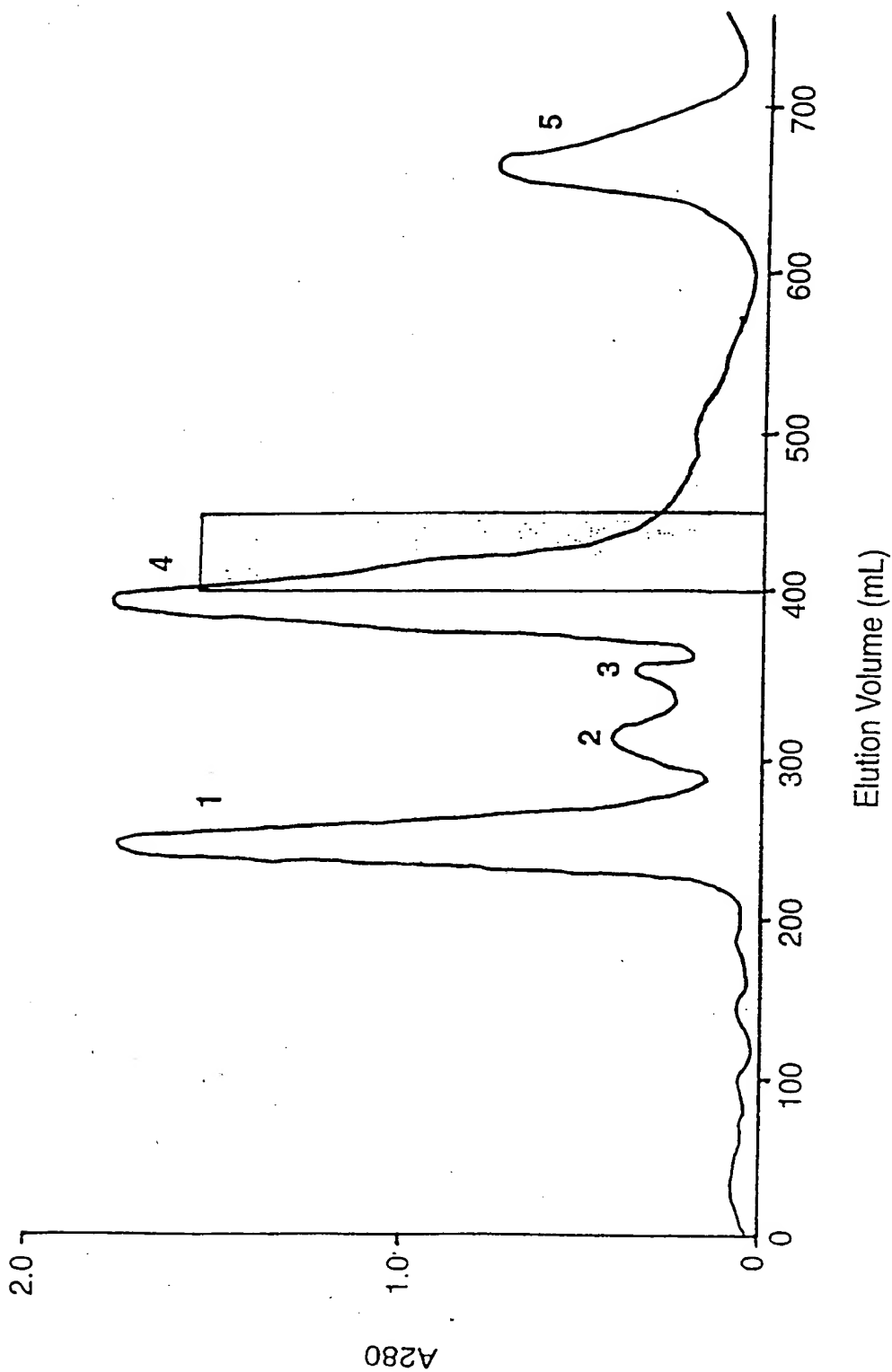


FIG. 1

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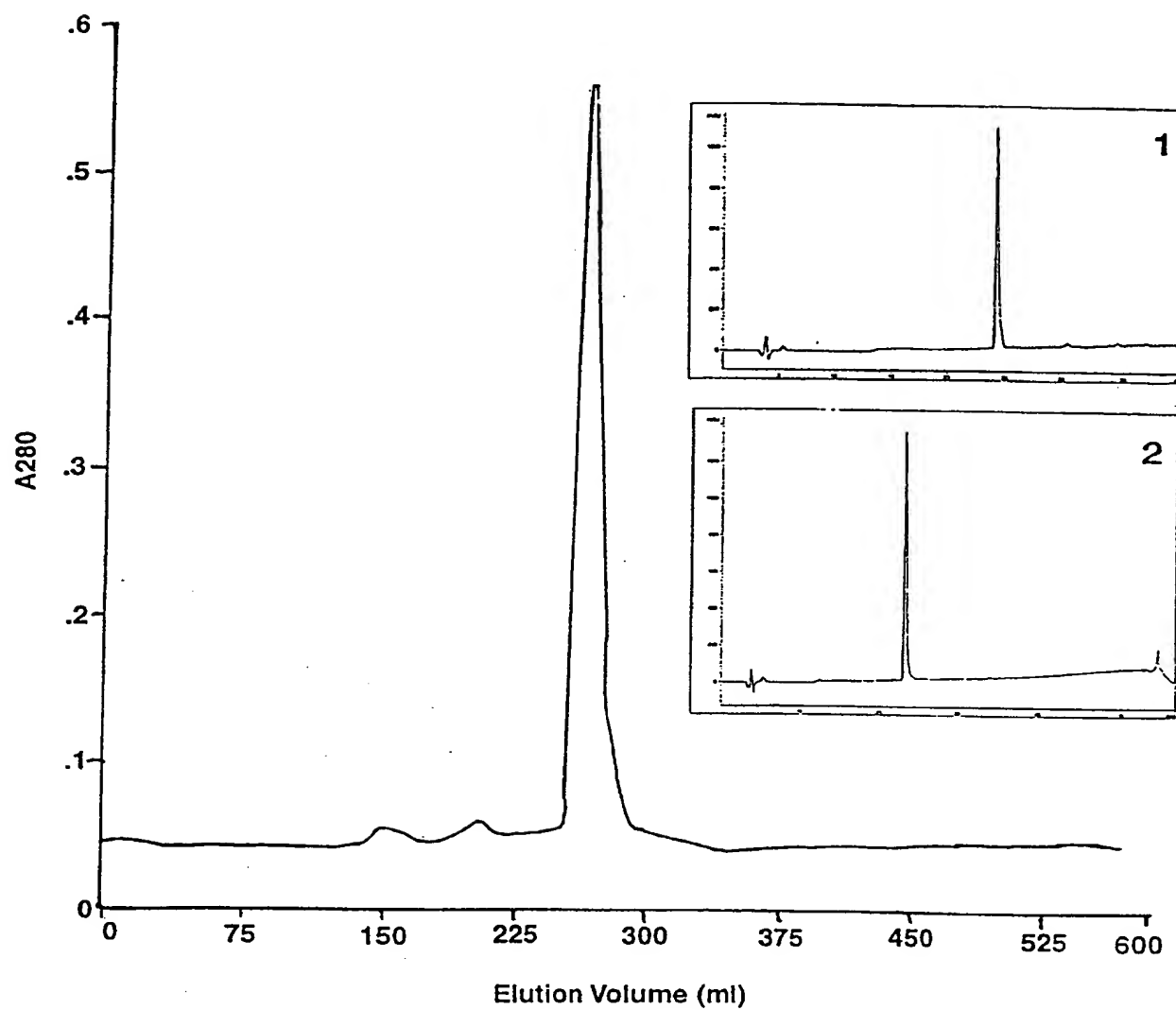


FIG. 2

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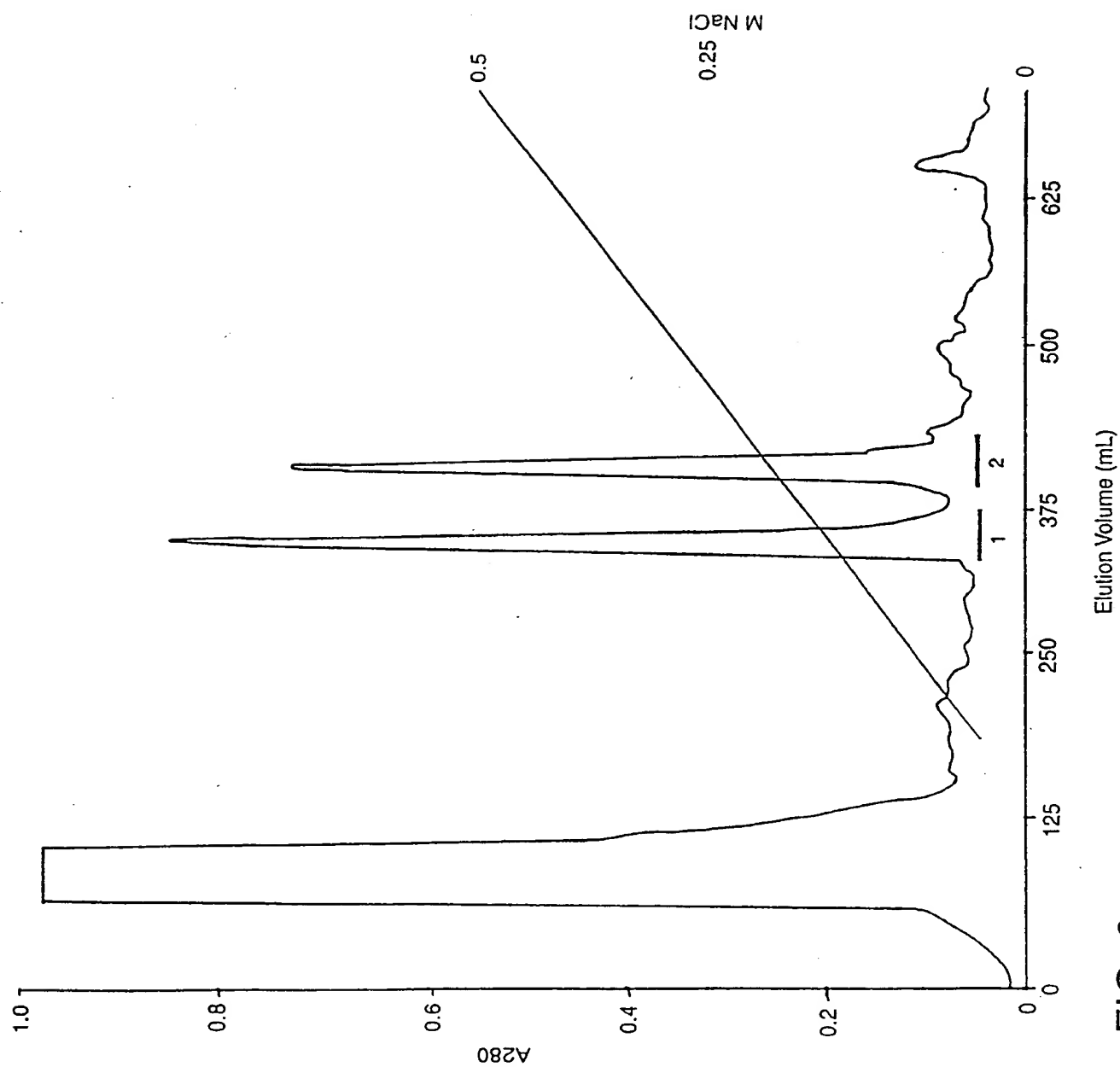


FIG. 3

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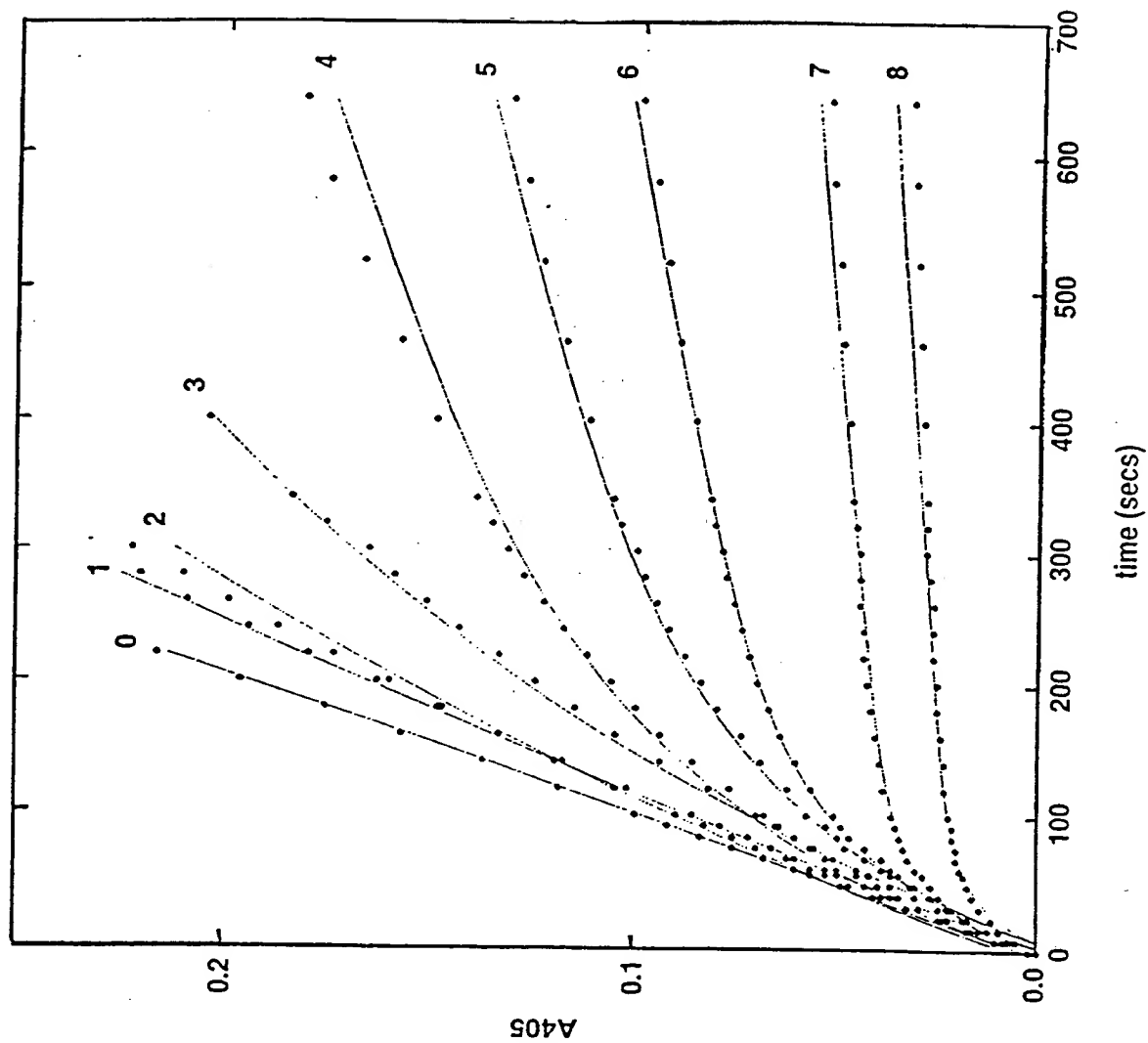


FIG. 4

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10	20	30	40	50	59	
KDRP <u>D</u> CELP	ADTGPCRVRF	PSFYNP <u>D</u> ZK	KCLZFIYGGC	EGNANNFITK	EECE <u>S</u> TCGS	TXLN1
KDRPEL <u>C</u> ELP	PDTGPCRVRF	PSFYNP <u>D</u> EQ	KCLEFIYGGC	EENANAFITK	EECE <u>S</u> TCGG	TXLN2
KDRPKF <u>C</u> HLP	PKPGPCRAAI	PRFYNP <u>H</u> SK	QCEKFIYGGC	HGNANKFKTP	DE <u>C</u> NYTCLGVSL	TAC
RP <u>D</u> FCLEP	PYTG <u>P</u> CKARI	IRYFYN <u>A</u> KAG	LCQTFVYGGC	RAKRN <u>N</u> FKSA	EDCMRT <u>C</u> GGA	APRO

FIG. 5

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ATG AAG GAC CGG CCT GAT TTT TGT GAA CTG CCT GCT GAC ACC GGA CCA TGT
M K D R P D F C E L P A D T G P C

AGA GTC AGA TTC CCA TCC TTG TAC TAC AAC CCA GAT GAA AAA AAA TGC CTC
R V R F P S F Y Y N P D E K K C L

GAG TTT ATT TAT GGT GGA TGC GAA GGG AAT GCT AAC GAT TTT ATG ACC AAA
E F I Y G G C E G N A N N F I T K

GAG GAG TGT GAA AGC ACG TGT GG(N) AGT
E E C E S T C G S

FIG. 6

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ATG AAG GAC CGG CCT GAG TTG TGT GAA CTG CCT CCT GAC ACC GGA CCA TGT
M K D R P E L C E L P P D T G P C

AGA GTC AGA TTC CCA TCC TTG TAC TAC AAC CCA GAT GAA CAA AAA TGC CTC
R V R F P S F Y Y N P D E Q K C L

GAG TTT ATT TAT GGT GGA TGC GAA GAG AAT GAT AAC GCT TTT ATG ACC AAA
E F I Y G G C E E N A N A F I T K

GAG GAG TGT GAA AGC ACG TGT CC(N) GGT
E E C E S T C G G

FIG. 7

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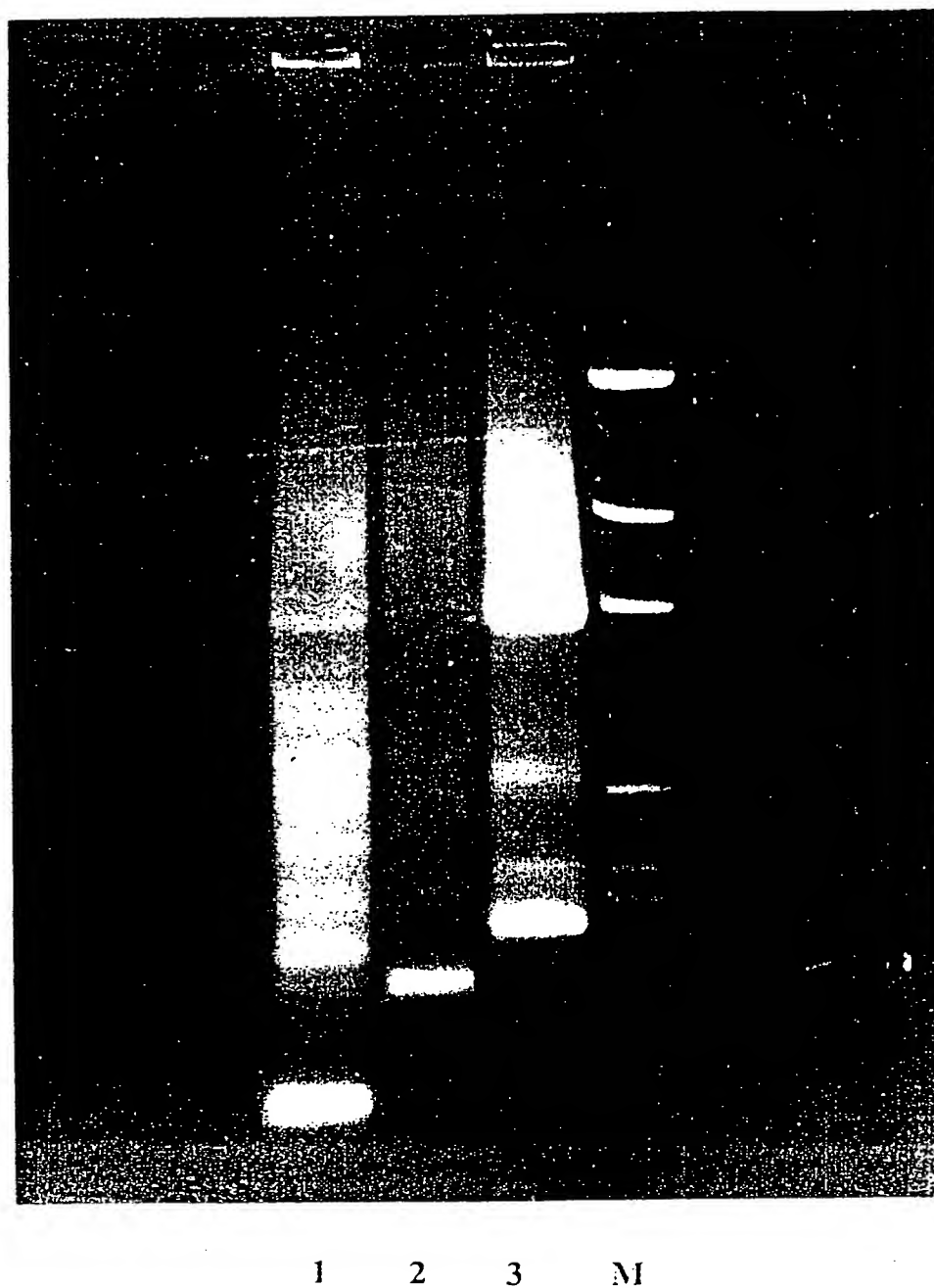


FIG. 8

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ggagcttcatcATGTCTTCTGGAGGTCTTCTCTCCTGCTGGACTCCTCACCCCTCTGGGAGGTG
CTGACCCCGTCTCCAGCAAGGACCGTCCAGAGTTGTGTGAACCTGCCCTCCTGACACCCGACCATGTAGAGTC
AGATCCCATCCTTCTACTACAACCCAGATGAACAAAAATGCCCTAGAGTTTATTATGGTGGATGCCGAAGGG
AATGCTAACCAATTTATCACCAAAAGAGGAATGCCGAAAGCACCTGTGCTGCCCTGAatgaggagaccctcctg
gattggaçgacagttccaacttgacccaaagaccctgcttctgccctggaccaccctggacaccccttcccc
caaaccaccctggactaatccttttctctctgcaataaagctttgggtccagct

FIG. 9

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Txln 1

MSSGGLLLLLGLLTLWEVLTPVSSKDRPDFCELPADTGPCRVR
FPSFYYNPDEKKCLEFIYGGCEGNANNFITKEECESTCAA

Txln 1

ATGTCTTCTGGAGGTCTTCTTCTCCTGCTGGGACTCCTCACC
CTCTGGGAGGTGCTGACCCCCGTCTCCAGCAAGGACCGTCCGGATTTCTG
TGAAGTGCCTGCTGACACCGGACCATGTAGAGTCAGATTCCCATCCTTCT
ACTACAACCCAGATGAAAAAAGTGCCTAGAGTTTATTTATGGTGGATG
CGAAGGGAATGCTAACAATTTTATCACCAAAGAGGAATGCGAAAGCACC
TGTGCTGCCTGA

Txln 2

MSSGGLLLLLGLLTLWEVLTPVSSKDRPELCELPPDTGPCRVR
FPSFYYNPDEQKCLEFIYGGCEGNANNFITKEECESTCAA

Txln 2

ATGTCTTCTGGAGGTCTTCTTCTCCTGCTGGGACTCCTCACC
CTCTGGGAGGTGCTGACCCCCGTCTCCAGCAAGGACCGTCCAGAGTTGTG
TGAAGTGCCTCCTGACACCGGACCATGTAGAGTCAGATTCCCATCCTTCT
ACTACAACCCAGATGAACAAAAATGCCTAGAGTTTATTTATGGTGGATG
CGAAGGGAATGCTAACAATTTTATCACCAAAGAGGAATGCGAAAGCACC
TGTGCTGCCTGA

FIG. 10

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Txln 3

MSSGGLLLLLGLLTLWEVLTPVSSKDRPNFCKLPAETGRCNAK
IPRFYYNPRQHQCIEFLYGGCGGNANNFKTIKECESTCAA

Txln 3

ATGTCTTCTGGAGGTCTTCTTCTCCTGCTGGGACTCCTCACC
CTCTGGGAGGTGCTGACCCCCGTCTCCAGCAAGGACCGTCCAAATTTCTG
TAAACTGCCTGCTGAAACCGGACGATGTAATGCCAAAATCCCACGCTTCT
ACTACAACCCACGTCAACATCAATGCATAGAGTTTCTCTATGGTGGATGC
GGAGGGAATGCTAACAATTTTAAGACCATTAAGGAATGCGAAAGCACCT
GTGCTGCATGA

Txln 4

MSSGGLLLLLGLLTLWEVLTPVSSKDHPKFCELPADTGSCCKGN
PVRFYYNADHHQCLKFIYGGCGGNANNFKTIEECKSTCAA

Tx-4 n

ATGTCTTCTGGAGGTCTTCTTCTCCTGCTGGGACTCCTCACC
CTCTGGGAGGTGCTGACCCCCGTCTCCAGCAAGGACCATCCAAAATTCTG
TGAACTCCCTGCTGAAACCGGATCATGTAAAGGCAACGTCCCACGCTTCT
ACTACAACGCAGATCATCATCAATGCCTAAAATTTATTTATGGTGGATGT
GGAGGGAATGCTAACAATTTTAAGACCATAGAGGAAGGCAAAAGCACCT
GTGCTGCCTGA

FIG. 10 cont'd.

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Txln 5

MSSGGLLLLLLGLLTLWEVLTPVSSKDRPKFCELLPDTGSCEDF
TGAFHYSTRDRECIEFIYGGCGCNANNFITKEECESTCAA

Txln 5

ATGTCTTCTGGAGGTCTTCTTCTCCTGCTGGGACTCCTCACC
CTCTGGGAGGTGCTGACCCCCGTCTCCAGCAAGGACCGTCCAAAATTCTG
TGAAGTCTTCTGACACCGGATCATGTGAAGACTTTACCGGAGCCTTCC
ACTACAGCACACGTGATCGTGAATGCATAGAGTTTATTTATGGTGGATGC
GGAGGGAATGCTAACAATTTTATCACCAAAGAGGAATGCGAAAGCACCT
GTGCTGCCTGA

Txln 6

MSSGGLLLLLLGLLTLWEVLTPVSSKDRPKFCELPADIGPCDDF
TGAFHYSPREHECIEFIYGGCKGNANNFNTQEECESTCAA

Txln 6

ATGTCTTCTGGAGGTCTTCTTCTCCTGCTGGGACTCCTCACC
CTCTGGGAGGTGCTGACCCCCGTCTCCAGCAAGGACCGTCCAAAGTTCTG
TGAAGTGCCTGCTGACATCGGACCATGGGATGACTTTACCGGAGCCTTCC
ACTACAGCCCACGTGAACATGAATGCATAGAGTTTATTTATGGTGGATGC
AAAGGGAATGCTAACAACCTTTAATACCCAAGAGCAATGCGAAAGCACCT
GTGCTGCCTGA

FIG. 10 cont'd.

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Consensus sequence for Textilins

1 83

1.Txln1- MSSGGLLLGLLTILNEVLTIPVSSKDRPDKFELPADTGPVRVPFSFYNPDEKKOLEIYGGCEGNANNTIKKECESTCAA

2.Txln2- MSSGGLLLGLLTILNEVLTIPVSSKDRPELCELPDDTGPVRVPFSFYNPDEKKOLEIYGGCEGNANNTIKKECESTCAA

3.Txln3- MSSGGLLLGLLTILNEVLTIPVSSKDRPNFKIPAEETRQNAKIPRFYNPRQHQIEELIYGGCGGNANNTIKKECESTCAA

4.Txln4- MSSGGLLLGLLTILNEVLTIPVSSKDRPKFCELPADTGSCKGNPVRFYNADHHQQLKIYGGCGGNANNTIKKECESTCAA

5.Txln5- MSSGGLLLGLLTILNEVLTIPVSSKDRPKFCELLPDTSSCEDFTGAFHSTRDRECIETIYGGCGGNANNTIKKECESTCAA

6.Txln6- MSSGGLLLGLLTILNEVLTIPVSSKDRPKFCELPADIGPDDFTGAFHSPREHECIETIYGGCKGNANNTIKKECESTCAA

consensus- MSSGGLLLGLLTILNEVLTIPVSSKDRP fCeLpadtGpC r p fyNprek CieFiYGGC GNANNTIKKECESTCAA

FIG. 11

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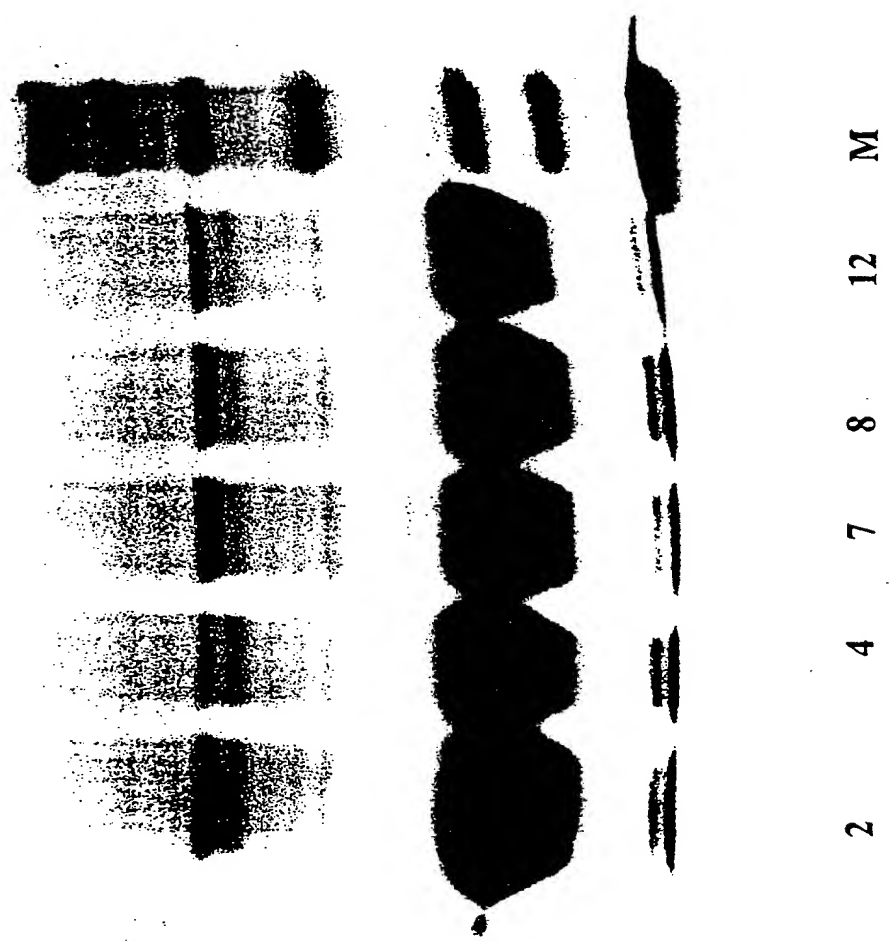


FIG. 12